ETHANIMIDAMIDE, N,N'-DIPHENYL-

Other names: Acetamidine, N,N'-diphenyl-
N,N'-Diphenylacetamidine
N,N'-Diphenylethanimidamide
N,N-Diphenylacetamidine
Inchi: InChI=1S/C14H14N2/c1-12(15-13-8-4-2-5-9-13)16-14-10-6-3-7-11-14/h2-11H,1H3,(H,15
InchiKey: CLWIJUQLAFJNOF-UHFFFAOYSA-N
Formula: C14H14N2
SMILES: C/C(=N\c1ccccc1)Nc1ccccc1
Mol. weight [g/mol]: 210.28

Physical Properties

Property code	Value	Unit	Source
ie	7.27	eV	Cheméo Relay (1.0)
log10ws	-3.35		Cheméo Relay (1.0)
logp	3.849		Crippen Method
mcvol	176.260	ml/mol	McGowan Method
tb	605.33	K	Cheméo Relay (1.0)
tf	387.62	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	122.60 ± 3.80	kJ/mol	363.00	NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C621090&Units=SI

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

hsubt:	Enthalpy of sublimation at a given temperature
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point